



Weather Briefing

August 01, 2015



National Weather Service
Detroit/Pontiac, MI

<http://www.weather.gov/dtx>

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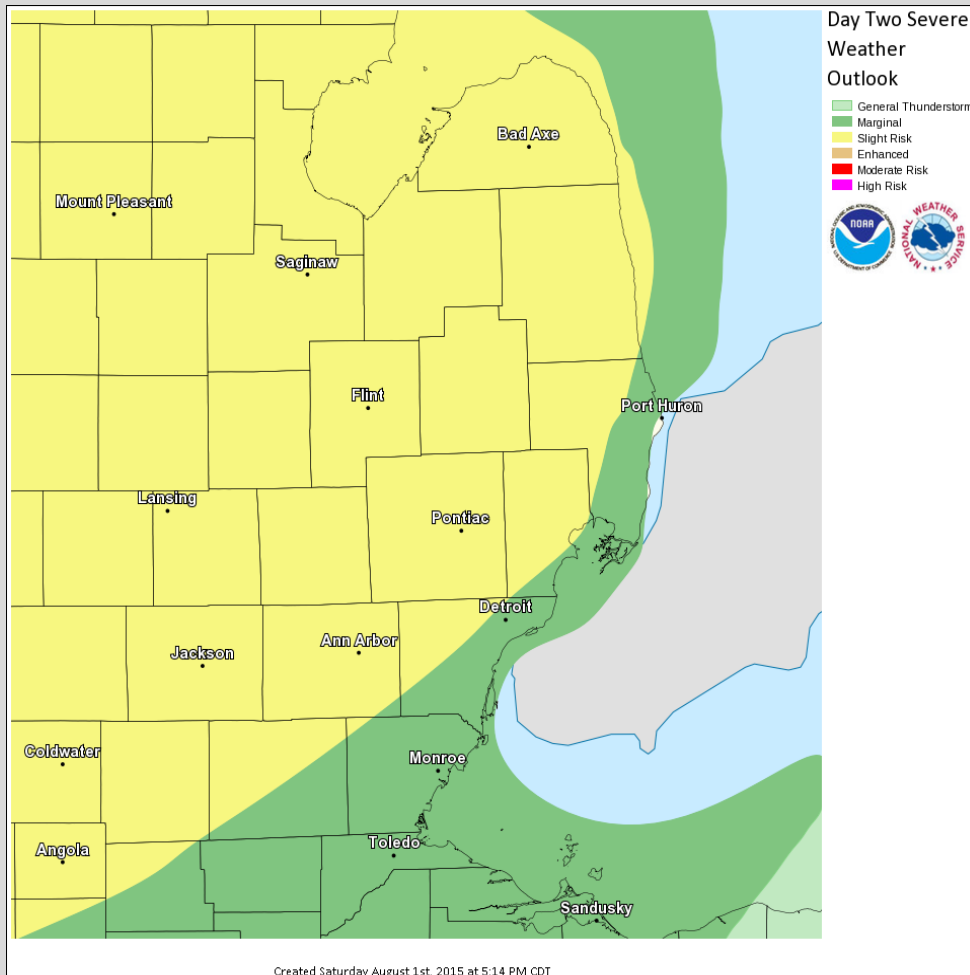


Hazard Summary

Slight Risk Sunday



Severe Weather Outlook Sunday



 Slight Risk

 Marginal Risk

- ✓ **Main threats:**
damaging
wind
- ✓ **Lessor
threats:**
tornadoes

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Risk Categories

Slight Risk Monday



Understanding Severe Thunderstorm Risk Categories

THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected
Lightning/flooding threats exist with <u>all</u> thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	Long-lived, very widespread and particularly intense
					
<ul style="list-style-type: none">• Winds to 40 mph• Small hail	<ul style="list-style-type: none">• Winds 40-60 mph• Hail up to 1"• Low tornado risk	<ul style="list-style-type: none">• One or two tornadoes• Reports of strong winds/wind damage• Hail ~1", isolated 2"	<ul style="list-style-type: none">• A few tornadoes• Several reports of wind damage• Damaging hail, 1 - 2"	<ul style="list-style-type: none">• Strong tornadoes• Widespread wind damage• Destructive hail, 2" +	<ul style="list-style-type: none">• Tornado outbreak• Derecho

* NWS defines a severe thunderstorm as measured wind gusts to at least 58 mph, and/or hail to at least one inch in diameter, and/or a tornado. All thunderstorm categories imply lightning and the potential for flooding. Categories are also tied to the probability of a severe weather event within 25 miles of your location.



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Decision Support Briefing Highlights



Event Summary

Storms will develop ahead of a warm front Sunday afternoon and evening.

Storms will increase in coverage Sunday night ahead of a cold front moving from northwest to southeast across the area.

Ample instability and atmospheric wind shear will provide the necessary ingredients for severe weather.



Severe Weather Details

Sunday



What

- Thunderstorm chances increase during the day as moist and unstable air advances into the state from the west.
- Storms will increase in coverage Sunday Night ahead of a cold front.
- Storms will move from west to east between 30 and 50 MPH.
- **Greatest Threat:** Damaging Winds **Lesser Threat:** Tornadoes and Large Hail

When

- Sunday afternoon (after 3 PM) through Sunday night (possibly as late as 4 AM)

Where

- All of Southeast Michigan

Forecast Confidence

- Low on timing but moderate in severe potential.

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Additional Information



Local Hazards Page

<http://w2.weather.gov/dtx/dtxhazards>

Storm Prediction Center

<http://www.spc.noaa.gov>

NWS Detroit/Pontiac, MI

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